

#### **ABSTRACT**

A waveform equalizer includes: a calculation circuit (7a) that permits free setting of the boost factor by which the gain, in a predetermined frequency range, for the input signal to the waveform equalizer is adjusted and that adjusts the gain for the input signal by varying the boost factor; and an all-pass filter (7b) that is connected to the stage preceding or following the calculation circuit, that has a first conductance amplifier and a second conductance amplifier, and that adjusts and thereby corrects the group delay characteristic of the input signal by varying the conductance of at least one of the first and second conductance amplifiers.